

Date: Wednesday, 28/01/2009 10:49:30 AM
 User: Linda Lacelle

Process Sheet

Customer :	CU-DAR001 Dart Helicopters Services	Drawing Name :	HANDLE AND LOCK- DOWN ASSY
Job Number :	45310		
Estimate Number :	13527		
P.O. Number :		Part Number :	D3451047
This Issue :	28/01/2009	S.O. No. :	
Prsht Rev. :	NC	Drawing Number :	D3451 REVA
First Issue :	/ /	Project Number :	N/A
Previous Run :	41355	Drawing Revision :	A
	Type :	Material :	
	LARGE FAB ASSY	Due Date :	13/02/2009
Written By :		Qty:	8
		Um:	Each
Checked & Approved By :	<u>MF 09-01-28</u>		
Comment :	Est Rev:A 08-06-27 new issue DD verified by:ec		

Additional Product

Job Number:



Seq. #:	Machine Or Operation:	Description :
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1.0	D34517	Tube Handle Arm
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✓



Comment: Qty.: 2.0000 Each(s)/Unit Total : 16.0000 Each(s)

Tube Handle Arm

batch: B 41356 = 8xB 41462 = 4x365 SP 09-02-11

2.0	GP211	Rubber Handle
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✓



Comment: Qty.: 2.0000 Each(s)/Unit Total : 16.0000 Each(s)

Rubber Handle

batch: B 109006 = 16xSP 09-02-11

3.0	PB6743001103	Tube Handle
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✓



Comment: Qty.: 1.0000 Each(s)/Unit Total : 8.0000 Each(s)

Tube Handle

batch: B 41473 = 8xSP 09-02-11

4.0	LARGE FAB 1	LARGE FABRICATION RESOURCE 1
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Comment: LARGE FABRICATION RESOURCE 1

1- weld as per dwg PB67-43001

SP 09-02-11(8x)

5.0	QC9	VISUAL WELDING INSPECTION
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Comment: VISUAL WELDING INSPECTION

BF 09/02/12(8x)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Date: Wednesday, 28/01/2009 10:49:30 AM
User: Linda Lacelle

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: HANDLE AND LOCK- DOWN ASSY

Job Number: 45310

Part Number: D3451047

Job Number:



Seq. #:

Machine Or Operation:

Description :

6.0

QC5

INSPECT WORK TO CURRENT STEP



Comment: INSPECT WORK TO CURRENT STEP

S 09/02/12 (X8)

7.0

HAND FINISHING1

HAND FINISHING RESOURCE #1



(8X)

Comment: HAND FINISHING RESOURCE #1

Chemical Conversion Coat as per QSI 005 4.1

M-L 09/02/13

8.0

POWDER COATING

POWDER COATING



M 102316



(8X)

Comment: POWDER COATING

Powder Coat Green Sandtex (Ref: 4.3.5.8) as per QSI 005 4.3

START TIME:

OVEN TEMPERATURE:

FINISH TIME:

11:20
320 °F
11:50

M-L 09/02/14

9.0

QC3

INSPECT POWDER COAT/CHEMICAL CONVERSION



Comment: INSPECT POWDER COAT/CHEMICAL CONVERSION

EP 09/02/19 (8)

10.0

SMALL FAB 1

SMALL & MEDIUM FAB RESOURCE 1



Comment: SMALL & MEDIUM FAB RESOURCE 1

1- assemble rubber handle as per dwg PB67-43001

EP 09/02/19 (8)

11.0

QC5

INSPECT WORK TO CURRENT STEP



Comment: INSPECT WORK TO CURRENT STEP

SB 09/02/19

12.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and Stock

Location

U52

09/02/19

SP

13.0

QC21

FINAL INSPECTION/W/O RELEASE



Comment: FINAL INSPECTION/W/O RELEASE

09/02/20

MF 09-02-19

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

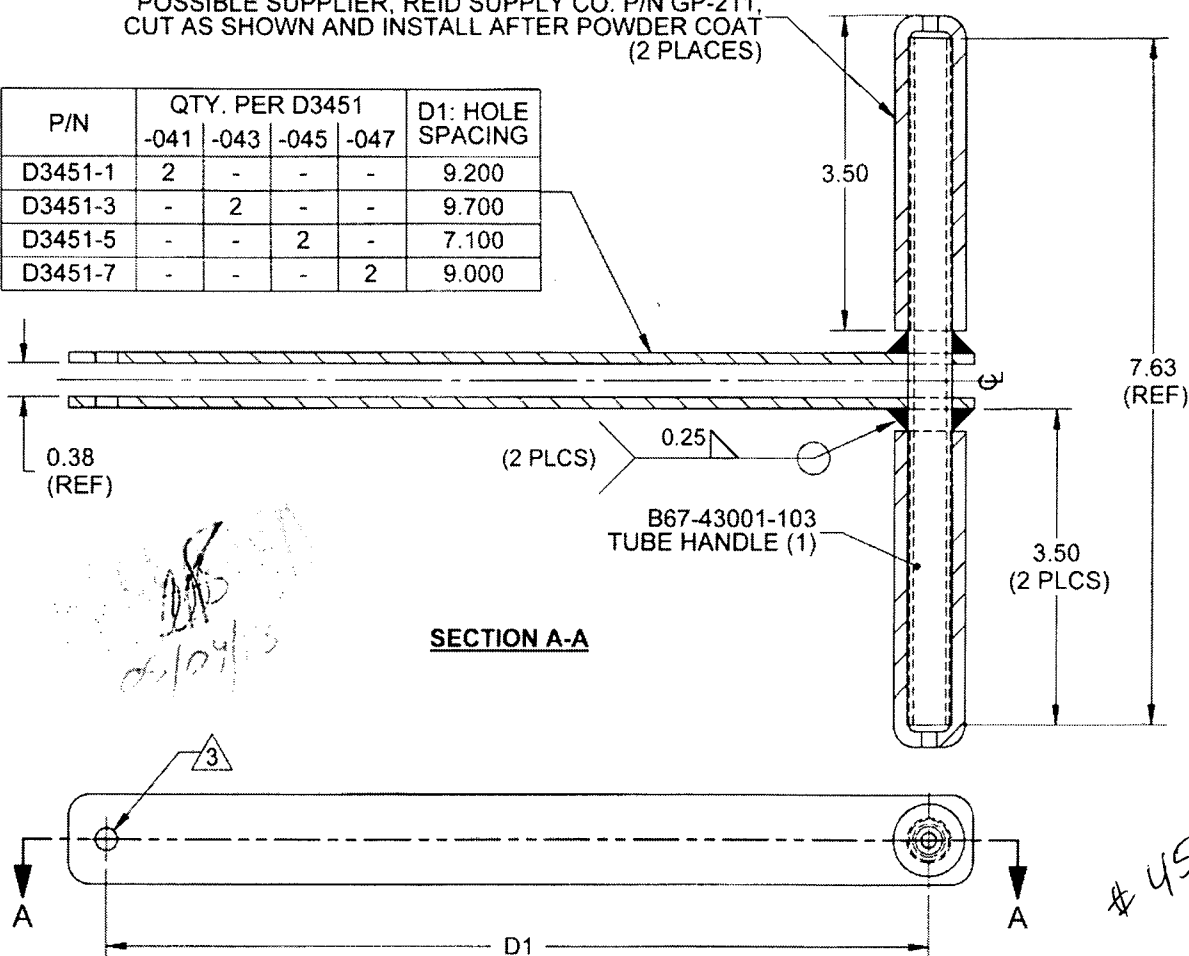
NOTE: Date & initial all entries



DESIGN	DRAWN BY	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED	APPROVED	DRAWING NO. D3451	REV. A SHEET 1 OF 2
DATE 05.08.25		TITLE HANDLE & LOCK-DOWN ASS'Y	SCALE 1:2
A	05.08.25	NEW ISSUE	

0.50" ID x 4.875" LONG BLACK VINYL HANDLE,
POSSIBLE SUPPLIER, REID SUPPLY CO. P/N GP-211,
CUT AS SHOWN AND INSTALL AFTER POWDER COAT
(2 PLACES)

P/N	QTY. PER D3451				D1: HOLE SPACING
	-041	-043	-045	-047	
D3451-1	2	-	-	-	9.200
D3451-3	-	2	-	-	9.700
D3451-5	-	-	2	-	7.100
D3451-7	-	-	-	2	9.000



SECTION A-A

D3451-041/-043/-045/-047 HANDLE & LOCK-DOWN ASS'Y

D3451-041 SUPERSEDES PREMIER P/N B67-43001-41

D3451-045 SUPERSEDES PREMIER P/N B67-43001-39

D3451-047 SUPERSEDES PREMIER P/N B67-43001-55

NOTES:

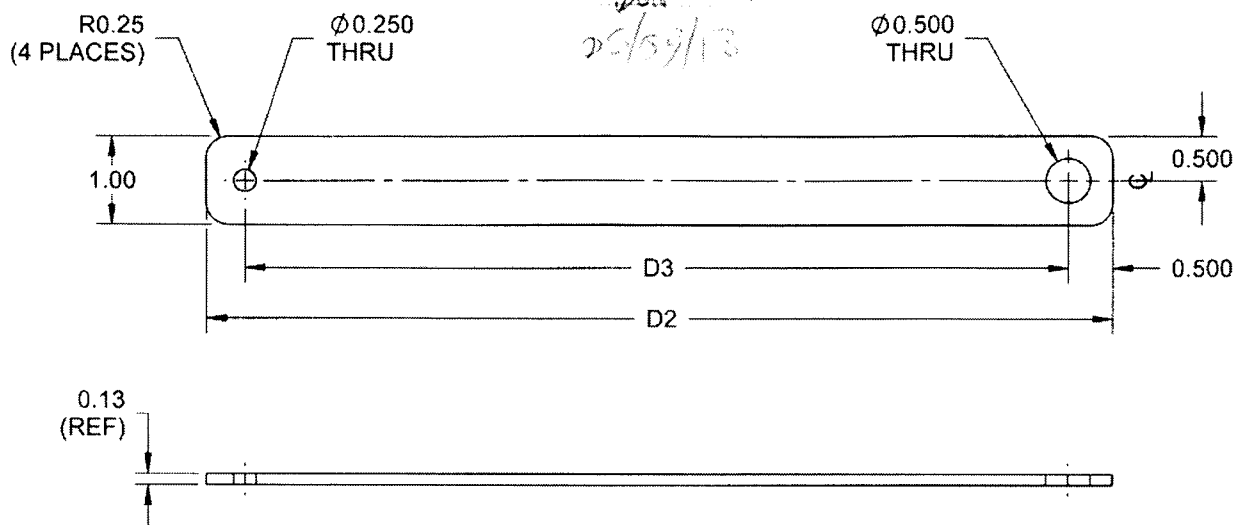
- 1) WELD PER DART QSI 004
- 2) CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
- 3) MASK BEFORE PAINTING.
- 4) FINISH: POWDER COAT PAINT GREEN SANDTEX (4.3.5.8) PER DART QSI 005 4.3
- 5) PART IS SYMETRICAL ABOUT CENTER LINE.
- 6) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 7) ALL DIMENSIONS ARE IN INCHES
- 8) BREAK ALL SHARP EDGES 0.005 TO 0.010

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DESIGN <i>[Signature]</i>	DRAWN BY <i>[Signature]</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>[Signature]</i>	APPROVED <i>[Signature]</i>	DRAWING NO. D3451	REV. A SHEET 2 OF 2
DATE 05.08.25		TITLE HANDLE & LOCK-DOWN ASS'Y	SCALE 1:2



P/N	D2: CUT LENGTH	D3: HOLE SPACING
D3451-1	10.25	9.200
D3451-3	10.63	9.700
D3451-5	8.00	7.100
D3451-7	10.00	9.000

[Handwritten: 45310]

D3451-1/-3/-5/-7 TUBE HANDLE ARMS

D3451-1 SUPERSEDES PREMIER P/N B67-43001-303

D3451-5 SUPERSEDES PREMIER P/N B67-43001-301

D3451-7 SUPERSEDES PREMIER P/N B67-43001-101

NOTES:

- 1) MATERIAL: 6061-T6 (OR 6061-T651/T6510/T6511/T62) BAR
PER AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116) OR
PER AMS-QQ-A-200/8 (OR AMS 4160)
(REF. DART SPEC. M6061T6B0.125)
- 2) PART IS SYMETRICAL ABOUT CENTER LINE.
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL SHARP EDGES 0.005 TO 0.010

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